L 23636-65 E-T(m)/SWP(1) Po-4 RM ACCESSION NR: AP5002824

8/0191/65/000/001/0023/0027

AUTHOR: Militakova, Ys. A., Viktorov, Ye. S., Sokolov, A.D.; Kostikov, V.P.

TITLE: The die casting of polyformaldehyde

SOURCE: Plasticheskiye massy, no. 1, 1965, 23-27

B

TOPIC TAGS: polyformaldehyde, die casting melt index, impact toughness, bending strength, frost lesistance, polymer crystal structure, mold stability, polymer inflammability, plastic casting

ABSTRACT: The authors investigated the conditions of die casting and the properties and fields of application of cast polyformaldehyde (PFA). The construction and outfitting of the die machine (heating cylinder, jet, die mold and temperature control) and the casting technique are described in detail. The die casting of PFA is possible only in a narrow temperature interval, 180-195C being most common. The stay of the material in the cylinder is calculated by formula; for a die machine with a plunger diameter of 40 mm and a 210C cylinder temperature, the time is 60 min. The optimum mold temperature (determined by article thickness) is 130C, the optimum casting pressure is 1200-1500 kgc/cm², and the duration of the casting cycle is about 10 sec./mm of article thickness. The casting temperature is dependent on the melt index of the PFA. Articles made from Card

L 23636-65 ACCESSION NR: AP5002824 2

PFA are distinguished by their high impact toughness. An increase in the melt index produces a decrease in the impact toughness and bending strength. Frost resistance measurements show that the stability of PFA decreases at -40°C, but still remains rather high. The crystal structure of PFA and its high melting point contribute to its mold stability at increased temperatures. PFA is stable in most inorganic and organic solvents and has a low inflammability. The physical-mechanical properties of PFA decline after recasting. Because of its high stability to wear, low coefficient of friction, dimensional and high-temperature mold stability, PFA can be used for the production of bearing, and high-temperature mold stability, PFA can be used for the production and gears and latches. "V.P. Zhuravlev took part in designing the casting machine and gears and latches. "V.P. Zhuravlev took part in designing the casting machine and L.A. Zavyalina took part in working out the casting conditions." Orig. art. has: 6 tables. 2 figures and 2 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF BOY 5,000

OTHER: 005

Card 2/2

MILITSYN Konstantin Nikitich, kandidat tekhnicheskikh nauk; LOYCHIEOV,

Basiliy Semenovich, kandidat tekhnicheskikh nauk; SUVOROV, Artur

Mikhaylovich, inzhener; OSOKIH, M.Ye., kandidat tekhnicheskikh nauk,

retsensent; PAVIOTSKIY, P.G., inshener, retsensent; AROMSHTEYE, M.A.,

inshener, retsensent; NOVIEOV, H.F., inshener, retsensent; RZHEZMIEOV,

V.S., redaktor; ARKHAMGEL! SKAYA, M.S., redaktor izdatel stva;

HEKKER, O.G., tekhnicheskiy redaktor

[Smelting and founding of nonferrous metals and alloys] Plavkm i lit's tavetnykh metallov i splavov. Pod nauchnoi red. E.M.Militayna. Hoskva, Gos. nauchno-tekhn. isd-vo lit-ry po chernoi i tavetnoi metallurgii; 1956. 662 p.

1. Kol'chuginskiy tekhnikum po obrabotke tavetnykh metallov (for Osokin, Pavlotskiy, Aronshteyn, Movikov)

(Founding)

(Monferrous metals--Metallurgy)

\*\*\*

MILITSYN, K.N., kandidat tekhnicheskikh nauk.

Nethods of studying gating systems. Lit.proisv. no.10:17-19
(MLRA 9:11)
0 '56.

(Founding)

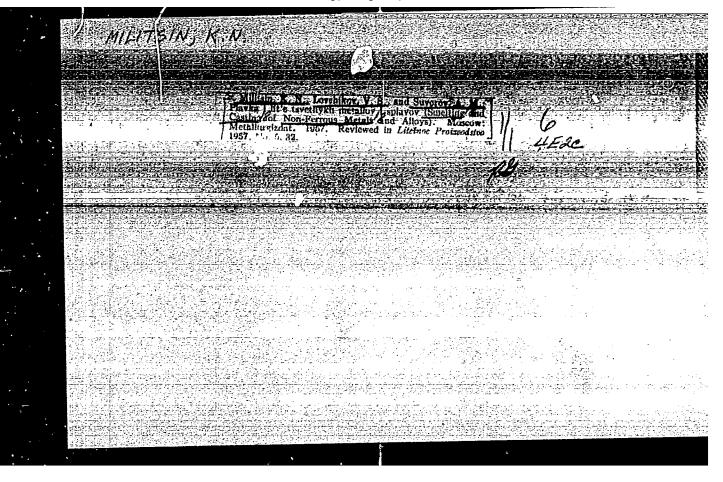
MILITSTE, K.H., kandidat tekhnicheskikh mauk.

Gasting feed. Lit.proisv. no.11:16-20 H \*56. (MERA 10:1)

(Aluminum founding)

(Crystallization)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



	MILITSYN, K. N.	
	Solidification of Metals: (Comb.) Trans. of 2nd Conf. on Theory of Foundry Processes, 56; Mosoow, Mashgiz, 1958, 532pp.  Fridlyander, I.N., Candidate of Technical Sciences. Investigation of the Effect of the Rate of Solidification on the Structure and Properties of Aluminum Alloys	275
	Kamenetskaya, L.S., Candidate of Technical Sciences. The Effect of Addition Agents on the Crystallization of the Steel Ingot	299
	Dukhin, A.I., Candidate of Technical Sciences; and V.Ye. Neymark, Candidate of Technical Sciences. On the Problem of Ingot Crystallization	310
-	Militsyn, K.N., Candidate of Technical Sciences, Docent.  General Problems of the Crystallization and Solidification of Castings	314
	Chertkov, G.V., Candidate of Technical Sciences. The Effect of the Rate of Cooling of Iron Castings on the Structure and Brittle-Strength Characteristics of Metal	327
	Card 5/8	

MILITSYN, K. N.

"Research on the Feeding of Castings."

Hydrodynamics of Molten Metals (Gidrodinamika rasplavlennykh metalov; trudy pervogo soveshchaniia po teorii liteinykh protsessov. Moskva, Izd-vo Akad. nauk SSBR, 1958, 257 pp.

(Proceedings of the First Conference on the Theory of Casting Processes)

Moscow Institute of Nonferrous Metals and Gold imeni M. I. Kalining

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MILITSTH, K.H., Poe Tech Sci-(diec) "Study of Fredit of crystallizing casting." Foo, 195%. 31 pp (lin of Higher Education USER. For Order of Labor Red Benner Inst of Stock in I.V.Stalia), 160 order (LL,45-53, 146)

-70-

	Card 1/6	boy A.A. The Connection Between the Cooling Regime of a Continuous	milnuous Steel Ingots	Bogoreditady, A.L., and V.V. Bilbur. Study of Gauses of Subsurface Fissure 157 Transition in high-likey Need Ingots	Guglin, M.H. On Bot Cracks in Castings	Trubitary, H.A. Effect of Same Matallurgical and Manufacturing Pactors on the Torantion of Not Cracks in Steel Castings	III. CHACKS IN CASTANCS AND MELDED JOINTS	Sharev. M.T., and 7s.L. Biblion. Perceity in Castings of Alloys of the Nonguese-Alusins-Eint Aystem	Al'tran, N.B. On the Increase in the Density of Altminum Alloy Castings 112	Balouser, F.H., and A.A. Dederor. Investigation of the Effect of Pressure on the Land Description of the Effect of Pressure of Co. Lin Description of the Effect of Pressure of Co. Lin Description of the Effect of Pressure	Tlagra, T.I., and Fe.I. Impolars. Investigation of Sarinhage Porosity in Steal Eastings 85	Painter, L.N., and B.B. Gulyayer. Arial Strinbage Percenty in Valls of 74 Steel Castings	II. SERINAM POROSITI	tlitryn, E.E. Molten Metal and Alloy Shrinkage and Ite Determination 65	Klocher, E.j., and G.S. Similars Experimental investigation of Shrinkage Thenomena in Iron Castings With Spheroidal Graphite	Chafus, I.M. Casting Properties of Heat-Essistant Alloys	versitaty, O.B., and B.B. Collary, Influence of Solidification Conditions on the Fermina of Surmanage Cartiles in Steal Cestings	I. SERUFALIZ CATITIZES	Colvers, B.B. The Problem of Shrinkage Processes in Metals	TANKE OF CONTENTS:	Sorter.	tuned. Also presented are resolutions adopted at the Conference with regard to the problem of abrindage has settle in to personalities are continued. Not proposed are secondarded by bibliographic references, the asjority of which are purpose are secondarded by bibliographic references, the asjority of which are	cavities, poresity, erachs, fissures, distortion, and internal strates for analyzed along with measures taken to present and remody them. The hydrody- nesses of molten metals and this process of solidification of metals are dis-	by SSSS (Institute of backlings isself his byter, seement or recurse way). The most entous defects in castings, include, and wells us a result of said; shrinkage are resided. Fedors contributing to the formation of shrinkage.	tabbologii maninostrymnya anti-tuus menanga of the institute of Science of the Commission for Machines building feabablogy of the institute of Science of the Commission for Machines, heading of Sciences ISSN) and by institut middlings; heading of Sciences ISSN) and by institut middlings;	COTERACE: The collection contains technical paper presented at the Third Controve on the Theory of Carting Processes, organized by Liternays sektalys Konisti you can the Theory of Carting Processes, organized by Liternays sektalys Konisting Section	pumpose. This collection of articles is intended for extention vorsers, represent plants as of elementary research institutes and inclusively plants, and for techniques of extended of higher education.	Forp, Ed.: B.B. Galyayer, Doctor of Technical Sciences, Frofvsor; Ad. of runtaring Rouse: V.S. Etherathor; Tech. Ed.: T.V. Polyakora.	Sponsoring Agency: Abademiya mank SSSE. Institut manninoveconiya. Accessiya po takhoo logil manhinostroyeniya.	Sovenhaniya po teorii liteyayih protessor, M
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APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001134310(

S/128/60/000/003/004/007 A105/A133

AUTHOR:

Militsyn, K. N.

TITLE:

The effect of the composition and heat treatment of metallic

melts on the feeding of castings

PERIODICAL: Liteynoye proizvodstvo, no. 3, 1960, 19-24

TEXT: Commercial metal in the cast state does not possess more than 1 - 4%, and modified by alloying, not more than 4 - 15% of the theoretically possible strength properties. The stronger the metal, the less measures are necessary to achieve optimum qualities. Therefore, the basic aim of smelters is to achieve a dense metal by uninterrupted, normal feeding of the cast in the process of crystallization. Normal feeding means here the compensation of volumetric shrinkage of every crystallizing volume at the expense of following crystallizing volumes. As there is no literature concerning this problem, tests were carried out with aluminum-silicon metals and alloys. The melts were prepared in an electric furnace in chamotte-graphite crucibles. First, at 10% superheating, the melts were produced and poured into a castiron ingot mold. Small bars were thus obtained which were tested as to their

Card 1/3

S/128/60/000/003/004/007 A105/A133

The effect of the composition and ...

chemical composition, mechanical properties, gas content, volumetric shrinkage, density, porosity and micro- and macrostructure. During the shrinkage and feeding tests only so much metal and alloy were melted as was necessary for one casting only. The superheating temperature holding time and casting conditions were controlled. Pouring was carried out at 1, 10, 20, 30 and 50% superheating over temperature of the beginning of crystallization of metal and alloy. The tests were carried out with cylindrical specimens of simple shape. The alloy was enriched by radioactive 0.001 - 0.005% Ca45 and Zn65. After cooling, the casting was weighed and cut into two longitudinal sections A templet 3.5 mm thick was cut out of one half and after grinding and washing with spirit and ether it was exposed on a photographic film. The negatives were measured with a photometer and, according to the results of these measurements, lines of an equal intensity of blackening were drawn which were identical with the same quantity of feeding metal from the shrinkage head. After this the templets were tested on porosity and mechanical properties. The precrystallization state of the melts depends on their purity. The content of impurities in various commercial metals and alloys varies over a wide range. Besides, commercial alloys contain a variety of oxides, carbides, sulphides and hydrates. Because of this, the structure and properties of al-

Card 2/3

The effect of the composition and...

S/128/60/000/003/004/007 A105/A133

loys affect the crystallization. The harmful effect of impurities on the crystallization can be reduced by binding them with wetting admixtures, removing them by refining or by increasing the cooling rate. Radiographic inspections proved that with the increase of impurities the feeding of metal becomes less concentrated. The investigation showed that admixtures which were artificially added to the melts deteriorate feeding to a greater extent than natural impurities; besides, a maximum reduction in mechanical properties is shown by pure metals, whereas contaminated alloys show smaller degree of deteriation. The effect of various degrees of gas-absorption upon the feeding is described. The more impurities and the greater the gas saturation, the worse becomes the feeding. With increased gas-absorption the concentration of feeding weakens and the distribution of the melt over the casting volume becomes non-uniform. The greatest decrease in mechanical properties was observed in castings in the case of a contaminated charge. The effect of superheating and holding time on the feeding of castings is shown. The more impurities in the alloy, the more effective is superheating, ranging between 20% for pure metals and 30% for contaminated ones. The more impurities in the alloy, the higher must be superheating to ensure a maximum of density and a minimum of porosity. There are 16 figures and 1 Soviet-bloc reference.

Card 3/3

MILITSYN, K. N., Doc Tech Sci -- "Theoretical fundamentals of the feeding process of castings." Mos, 1961. (Min of Higher and Sec Spec Ed RSFSR. Krasnoyarsk Inst of Non-ferrous Metals im M. I. Kalinin) (KL, 8-61, 239)

- 185-

- 300

### MILITSYN, K.N.

Effect of inoculation on the feeding of castings. Lit. proizv. no.3:28-30 Mr '61. (Nonferrous metals--Founding)

S/149/61/000/005/004/008 A006/A101

AUTHOR: Militsyn, K. N.

TITLE: Methods of determining volumetric shrinkage of metals and alroys in

the liquid and solidifying states

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya, no.5,

1961, 156-164

TEXT: Information is presented on existing method of determining volume shrinkage of metals and alloys during casting, which are: a) the method of hydrostatic weighing; 2) the byenometric method, and 3) the method of non-feed casting. The latter is widely used in foundry practice because of its simplicity, although the true volume of filling the hollow of the mold cannot be determined. The author proposes a new method of determining volume shrinkage which is simple, but free of the aforementioned deficiency. The metal loss in the casting is refilled from the feed head during the liquid state and solidification. The amount of metal consumed for feeding the casting is characteristic of the shrinkage during these processes. In the case of incomplete compensation of shrinkage there will be shrinkage porosity. Then the full shrinkage of the casting will be

Card 1/3

S/149/61/000/005/004/008 A006/A101

Methods of determining volumetric ...

equal to the metal consumption from the feed head to compensate shrinkage plus the porosity of the casting. This is expressed by the following formula:

$$\Delta V = \frac{Q_3 - Q_n}{d_3} + \Pi = \frac{q}{d_3} + \Pi,$$

where  $Q_3$  is the weight of metal cast into the feed head;  $Q_n$  is the feed head weight; q is the metal consumption to compensate the shrinkage of the casting; d3 is the density of the metal to be cast and  $\Pi$  is the porosity of the casting in %. The relative shrinkage of the casting in liquid state in % to the weight of the casting is

$$\mathcal{E}_{v} = \frac{\Delta v}{V_{1 \text{ iq}}} = 100 + \Pi = \frac{\text{qd}_{3}}{\text{d}_{3}Q_{0}} = 100 + \Pi = \frac{\text{q}}{Q_{0}} = 100 + \Pi,$$

where  $V_{11q}$  is the volume and  $Q_0$  the weight of the casting. The method can be applied in two variants: a) the hollow of the mold is filled through the foundry system b) it is filled through the feed head with the aid of a funnel. For fuller compensation and to eliminate the effect of dissolved gases, superatmospheric pressure can be applied onto the feed head during solidification. The described method is less labor-consuming than previous ways and ensures

Card 2/3

Methods of determining volumetric ...

S/149/61/000/005/004/008 A006/A101

satisfactory accuracy; determination of the volume of the mold, the casting and the cast metal is not required. The information includes a method for determining the porosity of experimental castings. There are 3 tables, 5 figures and 18 references: 5 Soviet-bloc and 13 non-Soviet-bloc.

ASSOCIATIONS: Moskovskiy aviatsionnyy institut (Moscow Aviation Institute);

Kafedra tekhnologii metallov (Department of Metal Technology)

SUBMITTED: October 5, 1961

Card 3/3

31238 5/149/61/000/006/003/003 A006/A101

18.8100

AUTHOR:

Militsyn, K. N.

TITLE:

Experimental determination of volumetric shrinkage in liquid state and during solidifying of metals and alloys of the aluminum-zinc and

aluminum-silicon systems

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallı giya,

no. 6, 1961, 99 - 110

To complete literature data the author studied volumetric shrinkage in liquid and solidifying state of Al-Zn and Al-Si alloys. The volumetric shrinkage TEXT: during solidifying was determined with the aid of the "feed-casting" method described in reference 1:(K. N. Militsyn, Izv. VUZ, Tsvetnaya metallurgiya, no. 5, 1961). Not less than 3 castings were made of each metal and alloy; density and porosity of the castings were tested. Results are given in tables and graphs. It was found that changes in shrinkage observed during solidifying of Al-Zn alloys are not subjected to the rule of additivity. When adding to one of the pure components another one, shrinkage increases slightly at first and then decreases slowly; a distinct regularity of changes is not observed. Shrinkage during soli-

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31238 5/149/61/000/006/003/003 A006/A101

Experimental determination of volumetric...

difying of Al-Si alloys varies, depending on composition, approximately as in Al-Zn alloys. Mean porosity of experimental castings is 0 to 0.1% and the degree of compensation of volumetric shrinkage from the feed head varies within 100 to 96.2%. In liquid state volumetric shrinkage was calculated by deducing solidification shrinkage from total shrinkage. It was found that shrinkage of liquid Al-Zn metals and alloys, depending on the casting temperature, increases sharply during superheating up to 10% and then more smoothly. A similar dependence of volumetric shrinkage on superheating temperatures was stated for liquid Al-Si alloys. Thus the factor of volumetric expansion of liquid metals and melts has higher numerical values near melting temperatures and during low superheating, than at high superheating temperatures. This is, in the author's opinion, due to the more ordered structure of metal melts at high superheating temperatures. Highest volumetric shrinkage in liquid state was observed with pure aluminum; that of zinc was considerably less. The shrinkage of aluminum base alloys in this state is below that of pure Al but exceeds that of pure Zn. Zinc base alloys show about the same volumetric shrinkage in liquid state as zinc. Porosity and density of the castings were almost equal in several points of the volume; mechanical properties were similar. The maximum difference was not over 16% for tensile strength and 39% for

Card 2/3

61/000/006/003/003

Experimental determination of volumetric...

relative elongation. Mechanical properties are only slightly affected by superheating during casting. There are 3 tables, 5 figures and 7 references: 4 Sovietbloc and 3 non-Soviet-bloc. The reference to the most recent English-language publication reads as follows: W. E. Googdich, Trans. Faraday Soc. vol. 25, 531 (1929).

ASSOCIATION: Moskovskiy aviatsionnyy institut (Moscow Aviation Institute). Kafedra

tekhnologii metallov (Department of Metal Technology)

SUBMITTED: October 5, 1960

Card 3/3

S/136/62/000/006/002/005 E021/E435

AUTHORS:

Gnezdilov, I.A., Militsyn, K.N.

TITLE:

The influence of small additions of magnesium, aluminium, titanium, silver and manganese on the

fluidity of nickel

PERIODICAL: Tsvetnyye metally, no.6, 1962, 70-74

The fluidity was investigated using apparatus due to TEXT: Yu.A.Nekhendzi and A.M.Samarin and a U-shaped test sample. The apparatus provides a change in direction (180°) and a change in cross section (from 9 to 6 mm diameter) of a moving stream of The fluidity is measured by the height of the liquid alloy. metal in the arm of the U-tube with the smaller cross-section. A lined furnace enables a 2 kg charge to be melted in 40 to 45 min and heated to 1600 - 1650°C; argon can be fed into the The molted metal is poured through a funnel, furnace. maintaining a constant pressure head in all the experiments. The temperature of the metal was measured by a platinum platinum/rhodium thermocouple. The temperature of the U-shaped Card 1/2

The influence of small ...

S/136/62/000/006/002/005 E021/E435

stainless steel mould was measured by a contact thermocouple. First, the effect of melt temperature was investigated; as the temperature increased from 1500 to 1700°C there was a linear increase in the metal filled length of the smaller arm of the mould from about 20 to 200 mm. Then, the effect of small additions of various elements was studied using a melt temperature of 1600°c. The length filled by an alloy containing 0.025% Mg was 82 to 90 mm. With increase in Mg content there was a decrease in the length filled, to 12-20 mm at 0.15% Mg. Increasing the aluminium content from 0.025 to 0.15% resulted in a decrease from 107-115 to 0-30 mm. Increasing the titanium content from 0.025 to 0.15% resulted in an increase from 102 - 110 to 198 - 200 mm. Increasing the silicon content caused an increase from 98-112 to 200-205 mm. Finally, an increase in manganese content from 0.025 to 0.15% caused a decrease from 87 - 100 to 30 - 40 mm. There are 2 figures and 2 tables.

Card 2/2

MILITSYN, K.N.

L 10307-63

EWP(q)/ENT(m)/BDS--AFFTC/ASD--

JD/HW-2

ACCESSION NR: AP3000202

S/0136/63/000/005/0059/0063

AUTHOR: Gnezdilov, I. A.; Hilitakin.

ingot

TITIE: Influence of modification working of a nickel melt on the quality of the

SOURCE: Tsvetnyye metally, no. 5, 1963, 59-63

TOPIC TAGS: modification working, silicon, aluminum, titanium, nickel ingot, Tamman furnace

ABSTRACT: The present study was made to remedy the lack of data concerning the influence of modificators such as silicon, aluminum, and titanium on nickel ingots. 200 g of fine, brand NO nickel GOST 849-56/ was melted in a Tamman furnace for 20 min at 16000 in a magnesite crucible, in an argon atmosphere, fed through a titanium pipe at a pressure of 0.2 atm. Temperature was measured by a platinum-platinorhodium thermocouple with interchangeable silica cup, immersed in the metal. Modificators wrapped in nickel foil were introduced in amount 0.025 - 0.05 - 0.075 - 0.1%. After melting, the crucible was allowed to cool slowly in the furnace. The ingots were cut longitudinally in two halves, treated with concentrated nitric acid, and a crystal count was made. The author concludes that: 1) Aluminum and titanium have

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L 10307-63 ACCESSION NR: AP3000202

a great modification ability with regard to nickel. Hundredths of a percent of aluminum and titanium were found to sharply reduce grain size and eliminate cracks, give structural homogeneity, and improve mechanical properties. 2) The introduction of magnesium, silicon, and manganese produces insignificant changes in nickel ingot. Orig. art. has: 6 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQD: 14Jun63

ENCL: CO

SUB CODE: ME

NO REF SOV: OLO

OTHER: 000

Card 2/2

L 33316-65 ENT(m)/ENP(w)/ENA(d)/EPR/T/ENP(t)/ENP(b)/ENA(c) Pad/Ps-4 IJP(c)

JD/RW

ACCESSION NR: AP5003376 S/0136/65/000/001/0080/0084

AUTHOR: Gnezdilov, I.A.; Militsyn, K.N.

TITLE: The quality of semi-continuously cast nickel ingots

SOURCE: Tsvetnyre metally, no. 1, 1965, 80-84

TOPIC TAGS: cast nickel, continuously cast nickel, semi-continuous casting, nickel ingot quality, intercrystalline crack

ABSTRACT: The present system of nickel casting in water-cooled molds results in up to 35% geometric and other rejects when the ingots are converted into strip. To improve

# "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310

Cord 1/2

L 33316-65

ACCESSION KIR: AP5008876

cast ingots is lower than that in ingots cast in water-chilled molds. Mechanical properties of both types are compared. "The gas analysis was carried out by S.I. Meshchanroperties of both types are compared."

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310

ASSOCIATION: none
SUBMITTED: 00 ENCL: 00 SUB CODE: MM
NO REF SOV: 001 OTHER: 000

MILITSYN, V.A., prof.

Principal landmarks in the development of physical therapy in the U.S.S.R. during the past 40 years. Sov.med. 21 no.10:68-80 0 '57. (MIRA 11:1)

1. Is kefedry fizicheskoy meditsiny TSentral nogo institute usovershenstvovaniya vrachey.

(PHYSICAL THERAPY

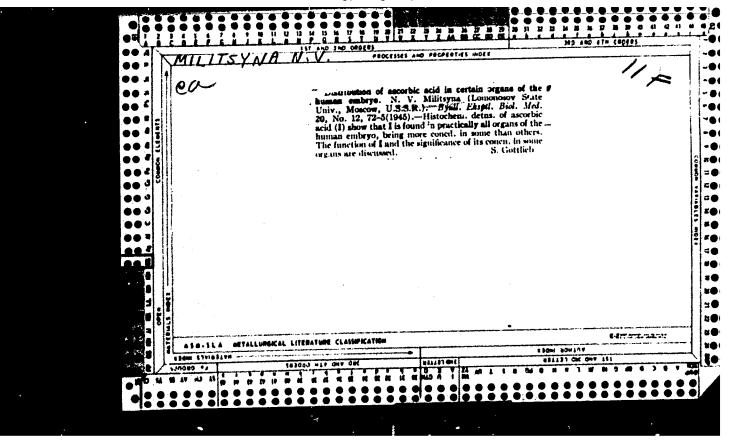
in Russia)

STAROBINSKIY, I.M., prof.; OBROSOV, A.N., prof.; KANEVSKIY, G.L., prof.; MILITSYN, V.A., prof.; PARFENOV, A.P., prof.

Resolution of the All-Union Methodological Conference on Problems in the Teaching of Physical Therapy in the Medical Institutes and in the Institutes for Advanced Training of Physicians (Leningrad, January 27-28, 1961). Vop. kur., fizioter. i lech. fiz. kul't. (MIRA 15:1)

1. Chlestorrespondent AMN SSSR (for Obrosov).(PHYSICAL THERAPY\_STUDY AND TEACHING)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



MILITSYNA, N. V., CAND BIO SCI, "MORPHOLOGICAL AND CERTAIN HISTOCHEMICAL VARIATIONS IN THE ADRENAL CORTEX UNDER ACTIONS UNDER THE CEREBRAL CORTEX AND UNDER HYPOPHYSECTOMY." MOSCOW, 1961. (SECOND MOSCOW STATE MED INST IMENI N. I. PIROGOV). (KL-DV, 11-61, 215).

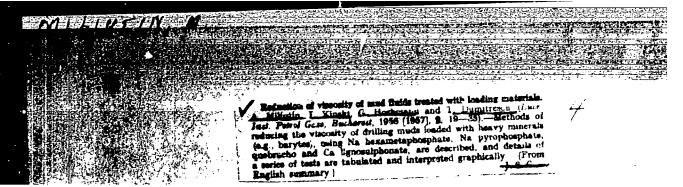
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### MILIUNIENE, A.

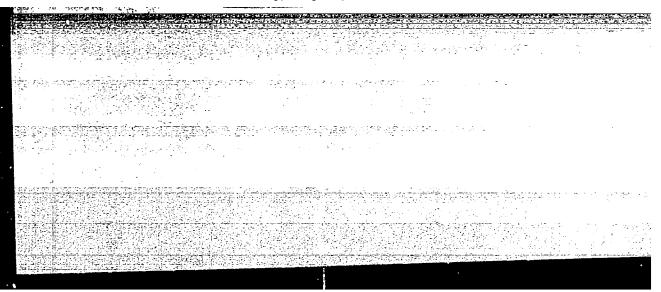
Planning eral hygiene among children in Vilnius. Sveik. apsaug. no.7: 36-40 '62.

1. Vilniens Jungtines vaiku ligonines vaiku poliklinikos stomatologinis kabinetas. Vedeja — A. Miliuniene.
(DENTAL HYGIENE)

## "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



## "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



MILIUTIN, A., ing.

Drilling problems concerning deep wells. Petrol si gaze 14, no.3:119-125 Ja '63.

MIHAPSCU, T.; MILIUTIN, A.; SIUCA, V.; NASTASE, N.

Apparatus of measure and control of characteristic parameters of functioning of drilling turbines. Petrol si gaze 15 no.8: 454-459 Ag\*64

STOIAHOV, N., ing.; MIHAESCU, T., ing.; MILIUTIN, A., ing.

Tubing of the intermediate column in a deep well. Petrol si
gaze 14 no.10:490-494 0.63.

TEFT, A.L. [Tseft, A.L.]; VASILIE V.A. [Vasil'yeva, V.A.]; MILIUTINA, N.A. [Milyutine N.A.]

Bleaching of the Dahezkazgan compound ores in the sulfuric acid containing selts of trivalent iron. Note II. Analele metalurgie 16 no.3:80-91 J1-S 162.

MILIUTINA, S.; SERGEEVA, V.

Effect of heat treatment on the nature of holocellulose fibers of spruce wood. p. 69.

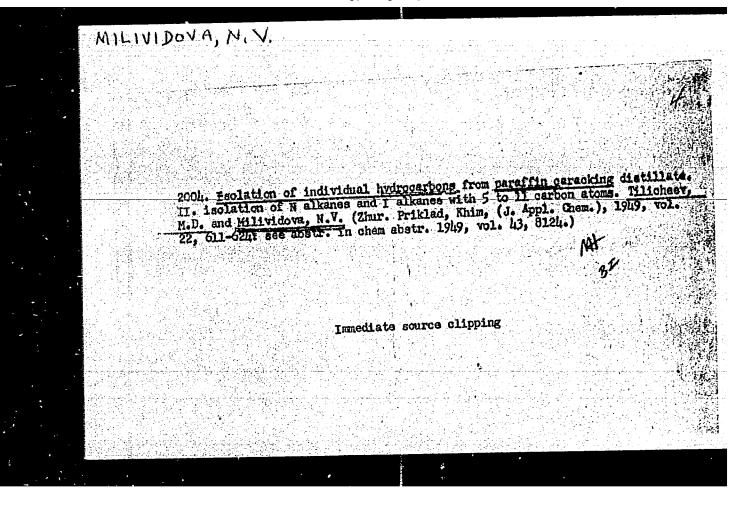
BIOLOGICHESKAIA NAUKA; SELSKOMU L LESNOMU KHOZIAISTVU. (Latvijas PSR Zinatnu akademija. BiologijasZinatnu nodala) Riga, Latvia, No. 16, 1958. In Russian.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, August 1959. Uncla.

MILIVIDOV, I.I., fel'dsher (Bol'shiye Yal'chiki Chuvashskoy ASSR)

Health education in the village. Fel'd. i akush. 21 no.5:42 My '56.

(MIRA 9:8)



L'20279-65 ACCESSION NR: AP5000691

where D is diffusion coefficient of the impurity in the melt; f is the growth rate;  $g = \kappa_1 g_1 + \kappa_2 g_2 / (\kappa_1 + \kappa_2)$ ;  $\kappa_1$  and  $\kappa_2$  are the thermal conductivities in the melt and solid, respectively;  $g_1$  and  $g_2$  are the temperature gradients in the melt and solid, respectively; other symbols are defined in V. V. Voronkov's earlier paper (FTT, v. 6, 2984, 1964). For f = 1.3 mm/min,  $c_g$  was 6.8 x 10<sup>19</sup> cm<sup>-3</sup> and the cell width was 220 y. The results confirmed the linear relationship between  $c_g$  and g/f. From the known values of  $c_g$ , the diffusion coefficients of Al. Sb, As and P in the melt were found to be 3 x 10<sup>-4</sup>, 10<sup>-4</sup>, 6 x 10<sup>-5</sup> and 5 x 10<sup>-5</sup> cm<sup>2</sup>, sec, respectively. Increase of the impurity concentration, above  $c_g$ , procued dendritic structure at 2.2 x 10<sup>20</sup> cm<sup>-3</sup> for f = 1.3 mm/min. Orig. art. has:

ASSOCIATION: Gosudarstvenny\*y nauchno-issledovatel'skiy i proyektny\*y institut sedkometallicheskoy promy\*shlennosti, Moskva (State Scientific Research and Dasign Institute of the Rare-Metal Industry)

MITTED: 17Jun64

ENCL: 00

SUB CODE: IC.SS

NR REF 80V: 005

OTHER: 006

Card 2/2

### MILIVOJE, Katlo

Exchange of experience of Yugoslav mechanical data processing specialists in Hungary. Vasut 14 no.617-8 Je 164.

1. Head, Mechanical Data Processing Office of the Yugoslav Railways, Belgrade.

MILIVOJEVIC, Bogoljub, ing.

Graphical determination of the amplitude and conditions of oscillation in oscillators. Telekomunikacije 10 no.4:22-24 0 61.

(Oscillators, Electric)

### MILIVOJEVIC, Dragoljub

Efforts of the Federal Institute for Studying Labor productivity. Tesla no.13/14:27 S-0 '55.

MILIVOJEVIC, M.; KICEVAC, Z.

Making testing sections from beton with added Darex-AEA and Mischoel-VR preparations. p. 329.

PUT I SAOBRACAJ. (Drustvo za puteve Srbije) Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

MILIVOJEVIC, M.; KICEVAC, Z.

Construction of a branch of the Smederevo Road to lead to the Vinca Institute with special reference to the quality of the work. p. 335.

PUT I SAOBRACAJ. (Drustvo ze puteve Srbije) Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

WUKSIC, Lj.; ARSIC, B.; MEL, D.; MORRIJ, M.; GERBEC, M.; MILOVANOVIC, M.; STOJKOVIC, Lj.; MIRKOVIC, M.; MILIVOJEVIC, M.

Isolation of Coxiella burnetti from stable dust. Higijena, Beogr. 8 no.4:240-245 1956.

1. Katedra sa Higijenu i epidemiologiju VMA. Virusolosko odeljenje Higijenskog imstituta MES, Beograd.

(COXIELLA BURNETTI, isolation from stable dust (Ser))

(DUST, isolation of Coxiella burnetti from stable dust (Ser))

MILIVOJEVIC, Miodrag, ing. (Beograd); STANKOVIC, Dusan, ing. (Beograd)

Labor productivity in experiments with high-yielding wheat in 1958-1959. Produktivnost 3 no.3:187-200 Mr '61.

MILIVOJEVIC, S.

Yugoslavia (430)

Agriculture - Plant and Animal Industry

The labor councils and executive committees of the state-owned agricultural properties. p 17. SOCIALISTICKA POLJOPRIVREDA, Vol 2, No 6, June 1951.

East European Accessions List, Library of Congress, Vol 1, No 14, Dec 1952. UNCLASSIFIED

	L 397h7-66 ENT(1)/ENT(m)/ENP(t) LJP(c) AT/JD/GD-2
	ACC NR: AR6005196 SOURCE CODE: UR/0058/65/000/009/D007/D007
4. 40.00	SOURCE: Ref. zh. Fizika, Abs. 9D52
	AUTHORS: Kushnir, R. M.; Kolosyuk, H. M.; Miliyanchuk, A. V.; Palyukh, B. M.
	TITLE: Resonance charge exchange of cadmium ions
	REF SOURCE: Rezonansna perezaryadka ioniv kadmiyu. Visnyk <u>L'vivs'k. un-tu.</u> Ser. fiz. L'viv, 1964, 81-82
-	TOPIC TAGS: cadmium, ion neutralization, charge exchange, resonance scattering, scattering cross section
£ .	TRANSIATION: The authors measured the effective cross section of the resonance
₹.	The measurements
	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements
لاستدرين	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements were made by the method of decelerating fields and by the method of drawing out the slow ions. The experimental curve $Q = f(E)$ agrees well with the theoretical curve
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	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements were made by the method of decelerating fields and by the method of drawing out the slow ions. The experimental curve $Q = f(E)$ agrees well with the theoretical curve of Firsov.
	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements were made by the method of decelerating fields and by the method of drawing out the slow ions. The experimental curve $Q = f(E)$ agrees well with the theoretical curve of Firsov.
	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements were made by the method of decelerating fields and by the method of drawing out the slow ions. The experimental curve $Q = f(E)$ agrees well with the theoretical curve of Firsov.
	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements were made by the method of decelerating fields and by the method of drawing out the slow ions. The experimental curve Q = f(E) agrees well with the theoretical curve of Firsov.  SUB CODE: 20
	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements were made by the method of decelerating fields and by the method of drawing out the slow ions. The experimental curve $Q = f(E)$ agrees well with the theoretical curve of Firsov.
	charge exchange of Cd ions in the ion-energy interval 25-400 ev. The measurements were made by the method of decelerating fields and by the method of drawing out the slow ions. The experimental curve Q = f(E) agrees well with the theoretical curve of Firsov.  SUB CODE: 20

L 64740-65 ENT(1)/EPA(s)-2/EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD/JG

ACCESSION NR: AP5015447 UR/0185/65/010/006/0687/0689

44,55

AUTHORS: Bilen'kyy, B.F.; Miliyanchuk, M.V.; Pashkovs'kyy, M.V.

TITLE: Study of optical properties of thin films of red mercury sulfide # 144.65

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 6, 1965, 687-689

TOPIC TAGS: mercury compound, thin film, optic property, absorption spectrum

ABSTRACT: Thin films of  $\alpha$ -HgS were obtained by thermal sputtering of single crystals of  $\alpha$ -HgS onto glass substrates. The films were transparent, reddish-orange and uniform in thickness and color. The transmission and absorption spectra of such a film (0.53 nm thick) are presented. The main absorption edge is the same as that of  $\alpha$ -HgS crystals and shifts to lower wavelengths on cooling. The dis-

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ACCESSION NR: AP5015447

presented. On heating the films changed color irreversibly, becoming darker above a certain temperature. Optical and x-ray studies revealed that this is due to a partial transformation to the  $\beta$  modification. Heating leads initially only to a shift of the absorption edge to longer wavelengths with an eventual change in the absorption edge and the appearance of a  $\beta$ -HgS absorption edge. On cooling, after previous heating to 500C, the film retains its black color and has at room temperature a  $\beta$ -HgS absorption edge at 1.7 nm. The spectra were obtained on an SF-4 spectrophotometer and on an IKS-12 spectrometer. The authors express their gratitude to 1. V.

# "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310

Spectrometer: "The authors express their gratitude to I. V.

Savits'kyy (Savitskiy) for growing the a-HgS single crystals." Orig.

art. has: 3 figures.

ASSOCIATION: L'vivskyy derzhuniversytet im. Iv. Franka [L'vovskiy gosuniversitet im. I. Franko] (L'vov State University)

SUBMITTED: 20Jan65 ENCL: 00 SUB CODE: 55, OP

NR REF SOV: 010

Card 2/2

December 17 des to

MILIYANCHUK, Vasiliy Stepanovich (L'vov State Univ imeni Iv. Franko) awarded sci degree of Doc Physico-Math Sci for 20 Jun 57 defense or dissertation: "Influence of Mon-homogeneous intermolecular fields on atomic spectra" at the Council, Mos State Univ imeni Lomonosov; Prot No 1, 11 Jan 58.

(BMVO, 6-58, 10)

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Flanges out of strip steel for gravity and suction tubes. Muk.-elev.prom.20 no.11:9 N 154. (MIRA 8:3)

Ministerstvo stroitel'stva SSR.
 (Flanges) (Conveying machinery)

MILIYEVSKIY, L.I.; MATVEYENKO, I.V.

Redesign of box dryers for cores. Lit. proizv. no.9:43 S '64. (MIRA 18:10)

#### MILJAK, R.

Damages caused by the wind in the Crna gora Nevesinjska forest stand in 1958. p. 241.

NARODNI SUMAR. (Drustvo sumarskih inzenjera i tehnicara Bosne i Hercegovine) Sarajevo, Yugoslavia. Vol. 13, no. 5/6, 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 19691

Uncl.

MILJAN-JARIC, Iva, ins. (Zagreb)

Improvements of the system for voltage regulation of the synchronous generators in the analog computers. Avtomatika 3 no.4:258-266 Ag '62.

MILJANIC, Miko, prof.dr; BORISAVLJEVIC, Dusan

Differential diagnosis of duodenal diverticula. Med.pregl., Novi Sad 7 no.6:449-455 1954.

1. Gradska bolnica, Vrsac.
(DUODENUM, diverticula,
differ.diag.)

## MILJANIC, Milos, dr.

The problem of the utilisation of natural radioactivity for therapeutic purposes. Med. glas. 16 no.3:120-123 Mr 162.

1. Balneo-klimatoloski institut MRS (Direktor: doc. dr V. Godic)

(RADIOACTIVITY) (BALMEOLOGY)

2

ZECEVIC, Ilijana; KARAKUSEVIC, Milica; KONSTANTINOVIC, Ivan; MILJANIC, Milos

Effect of drinking of Bukovicka Banja mineral water on the renal elimination of water and electrolytes. Srpski arh. celok. lek. 90 no.9:833-838 S 162.

1. Balneo-klimatoloski institut NR Srbije u Beogradu Direktor: doc. dr. Vlastimir Godis. (WATER ELECTROLYTE BALANCE) (MINERAL WATERS) (DIURESIS)

2

MILJANIC, P., dr., ing.; VUCKOVIC, V., ing.; OBRADOVIC, I., dr., ing.

Device for frequency and voltage transformation and control. Elektroprivreda 14 no.7/8:339-346 J1-Ag 161.

1. Institut "Nikola Tesla", Beograd.

MITRAKOVIC, B.; DESPOTOVIC, S.; MILJANIC, P.; SKENDZIC, D.; VOLCKOV,I.

Activities of the Nikola Tesla Electrotechnical Institute in 1962. Elektroprivreda 16 no.10:506-519 0:63.

MILJEVIĆ, Dorde

Development of the economic system of the Federal Prople's Republic of Yugoslavia. Beograd, Znanje, 1954. 259 p.

MILJEVIC, S.

Measuring very low capacitance. p. 151. RADIOMATER (Savez radiomatera Jugoslavije) Beograd. Vol. 10, no. 6, June 1956

SOURCE: East Europe Accession Lists (EFAL), Library of Congress, Vol. 5, no. 11, Nov. 1956

MILIKOYLE, AUAM

#### MILJEOVIC, A.

Short review of the present status of the biological war problems. Higijena, Beogr. 8 no.4:308-315 1956.

1. Mikrobioloski institut-katedre za higijemu i epidemiologiju Vojne medicinske akademije, Beograd. (BIOLOGICAL WARFARE, modern aspects (Ser))

MILJEOVIC, Adam, Pukovnik Prof., dr.

Possibilities of biological warfare in future wars. Voj. san. pregl. Beogr. 13 no.11-12:596-598 Nov-Dec 56.

(BIOLOGICAL WARFARE probability in future wars (Ser))

MILJKOVIC, Adam, sanitetski pukovnik, prof. dr.

Method of teaching military bacteriology in military medical schools. Vojnosanit Pregl. 20 no.11:715-718 N '63.

TUD/5509  TUD/5509  Articles) Zagreb, and Articles) Zagreb, Engleser, Bragting Service as well as Service, Adam Williams, and Inchest, Adam Williams, and Inchest, and Inchest	• •	11		c, A	,	, <b>t</b>	, <del></del>	 	  7 9		 : 5		112							~	•	=	
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APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001134310(

MILJKOVIC, E.

Consolidation works on the Borisa Kovacevic Hydroelectric Plant in Bogatici. p. 103. (Elektroprivreda. Vol. 10, no. 2, Feb. 1957, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) LS, Vol. 6, no. 7, July 1957, Unel.

MILJKOVIC, E.

MILJKOVIC, E. The construction of a reinforced-concrete pipeline across the Piva River I near the Jajce I Hydroelectric Plant. p. 636.

Vol. 9, no. 11/12, Nov./Dec.1956 ELEKTROPRIVERDA TECHNOLOGY Beograd

So: East European Accession, Vol. 6, no. 3, March 1957

MILJKOVIC, Emin, ing. (Saloma Albabarija 6, Sarajevo)

Joining the supply tunnel of the Jajce Hydroelectric Plant I with a natural lake under constant level. Vodoprivreda Jug 2 no.4/5: 153-159 \*59. (EEAI 9:10)

1. "Elektroprojekt," Sarajevo.
(Bosnia and Hercegovina--Hydroelectric-power stations)

## MILJKOVIC, M.

Characteristics of equipment for the maintenance of a constant temperature, p. 643

TEHNIKA (Savez inzenjera i tehincara Jugoslavije) Beograd, Yugoslavia. Vol. 14, no. 4, Apr 1959

Monthly List of East European Accession EEAI LC, Vol. 8, no. 6, June 1959 Uncla.

ACCESSION NR: AP4023175

Y/0001/64/000/004/0703/0709

AUTHOR: Miljkovic, Miodrag (Engineer)

TITLE: Quarts crystal units and components containing them

SOURCE: Tehnika. no. 4, 1964, 703-709

TOPIC TAGS: quarts crystal, quartz crystal component, Yugoslav electronics, component materials, crystal filter, quartz crystal frequency range, crystal oscillator

ABSTRACT: The article reviews the post-war history of production of industrial and natural quarts orystal components in Yugoslavia. It treats the relation between foreign and domestic consumption of these components produced in between foreign and domestic consumption of these components produced in Yugoslavia, the production capacity, problems of finding good natural quartz, and Yugoslav production costs. Crystal filters and crystal oscillators receive special attention. In 1958 the frequency of quartz crystal units produced in Yugoslavia ranged from 3000 to 10,000 kc; by 1963 this range was 4 kc to 50 Kc; Yugoslavia ranged from 3000 to 10,000 kc; by 1963 this range was 4 kc to 50 Kc; by 1965 it is expected to be 1 kc to 125 Mc. Orig. art. has: 4 tables and 10 figures.

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POPOVIC, Sreten; BAJEC, Dugan; DAJA, Milutin; MILJKOVIC, Peter

Surgically cured bilateral incarcerated hernia in a presature infant. Srpski arh. celok. lek. 90 no.4:469-473 Ap 162.

1. Klinika sa decju hirurgiju Medicinskog fakulteta Universiteta u Beogradu Upravnik: prof. dr. Dimitrije Joveic.

(HERNIA) (INFANT PREMATURE DISEASES)

-3

### TYUGOSLAVIA

1/1

Dusam BAJFC, Milutin DJAJA and Petar MILJKOVIC, Pediatric Surgical Clinic of Medical Faculty (Klinika za decju hirurgiju Medicinskog fakultuta), Head (upravnik) Prof Dr Dimitrije JOVCIC, University of Belgrade.

'Tulmonary Hemangioms in a Child."

Beigrade, Svyski Akkiv za Colokurno Lebarstvo, Vol 90, No 7-8, July-Aug 1962; pp 763-766.

Abstract (German summary modified): Asymptomatic pulmonary hemangiuma found by mass radiographic screening was successfully excised in an 11-year-old girl. Histologic diagnosis was hemorrhagic pulmonary infarct. Excellent recovery.

39

1

#### YHGOSLAVIA

Dusan BAJEC and Petar MILJKOVIC, Pediatric Surgical Clinic of Medical Faculty of University (Klinika za decju hirurgiju Medicinskog fakulteta Universitota, Head (Upravnik) Prof Dr Dimitrije JOVCIC, Beigrade.

"Strangulation Heus in Infants Caused by Congenital Bands."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No 10, Oct 62; pp 967-971.

Abstract [German summary modified]: Cases in girl aged 7 weeks and boy aged 5 months; complete ileus and rectai hemorrhage main symptoms in both; laparotemy with incision or excision of bands was followed by uneventful recovery. Clinical details. One Yugoslav and 7 Western reterances.

: 1/1

TASOVAC, Borivoje; JAKOVLJEV, Dusan M.; MILJKOVIC, Petar B.

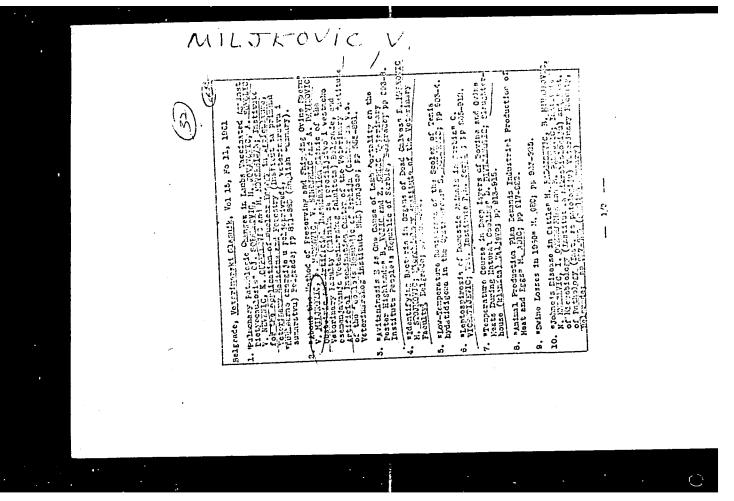
Ketosis with recurrent and acute appendicitis. Srpski arh. celok. lek. 91 no.5:527-530 My \*63.

1. Pedijatrijska klinika Medicinskog fakulteta Univerziteta u Beografu Upravnik: prof. dr Borivoje Tasovac Decja hirurska klimi Medicanskog fakulteta Univerziteta u Beografu Upravnik: doc. dr Ilija Stojimirovic.

(ACIDOSIS) (APPENDICITIS)

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



#### AIVALEODUY

MILIKOVIC. V., et al., Birth and Artificial Insemination Clinic (Klinika za Porodiljatvo i Vestacko Osemenjavanje) of the Veterinary Faculty (Veterinarski Fakultet), Belgrade.

"The Artificial Insemination of Poultry."

Belgrade. Veterinarski Glasnik, Vol 17, No 3, 1963, pp. 211-219.

Abstract: /Authors' German summary modified/ The article offers a brief history of artificial insemination among boultry, describes the anatomy of domestic fowls, notes the increasing interest in the subject in Yugoslavia (perticularly for the production of turkeys), and mentions ways and means of obtaining and preserving the sperm of the domestic cook.

Numerous photographs, diagrams, charts, tables; references to 18 recent works from Western Europe and the US.

YUGOSLAVIA

V. MILJKOVIC, N. MLADENOVIC, P. DRACA, G. MRVOS, V. JOVANOVIC, D. NIKODIJEVIC, V. STOJADINOVIC and A. DAVIDOVIC, Clinic for Reproduction Sterility and Artificial Insemination of Veterinary Faculty (Klinika za porodiljstvo, sterilitet i vestacko osemenjavanje Veterinarskog fakulteta) Belgrade.

"Ten Years of Artificial Insemination of Cattle in Serbia."

Belgrade, Veterinarski Glasnik, Vol 17, No 4, 1963; pp 315-322.

Abstract [German summary modified]: Gratified review of excellent results achieved with artificial insemination in Serbian and Yugoslav cattle. In Yugoslavia in 1961, 783,875 cows were inseminated by 608 bulls from 42 artificial insemination centers. Detailed statistical data by 7 breeds; 13 Serbian centers; many technical details and comments. One urgent need now is for a specialized national scientific journal dealing with bovine sterility and artificial insemination. Eighteen Yugoslav references.

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# T YUGOSLAVIA

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ESTONIA/Chemical Technology - Processing of Solid Fuels (Naturally Deposited)

H.

Abs Jour

: Ref Zhur - Khimiya, No 16, 1958, 55108

Author

: Fayngol'd, S.I., Mil'k, A.A.

Inst

: Academy of Estonia

Title

: Effect of the Relative Content of Organic Matter upon Semi-Coking of Shale (Counter-Current Gas Process).

Orig Pub

: Izv. AN Est. SSR. Ser. tekhn.; fiz. matem. H., 1956, 5,

No 1, 55-66

Abstract

: A study was made concerning the effect of mineral matter content upon the semi-coking process from the standpoint of the smoke gases obtained from the combustion of semi-coke. An increased content of organic matter leads to a decrease in the yield of tar and gas, whereupon the

Card 1/2

MIL'K, A. A. Cand Tech Sci -- (diss) "Study of the effect of the qualitative characteristic of characteristic of characteristic of characteristic shale upon the process of its heat treatment."

Tallin, 1959. 24 pp with graphs (Acad Sci Estonian SSR. Department of Tech and Phys-Math Sci), 150 copies (KL, 43-59, 124)

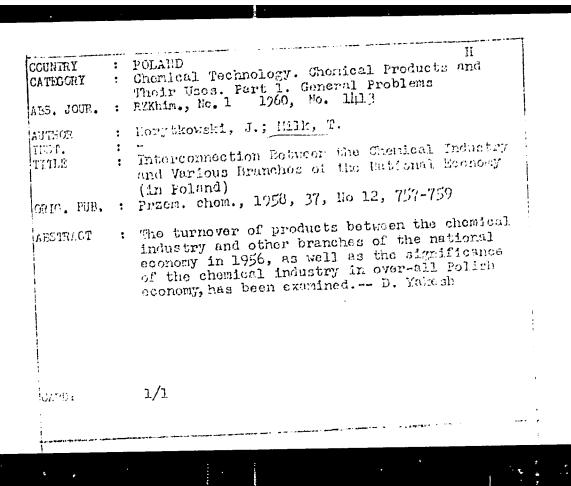
-53-

GUBERGRITS, M.Ya., kand.tekhn.nauk; BRODSKAYA, B.Kh., kand.tekhn.nauk; MIL'K, A.A. [Milk, A.A.]; PAAL'MB, L.P. [Paalme, L.P.]

Effect of gas evacuation conditions on the output and composition of the product of thermal decomposition of Kukkersite-shale blocks. Podzem.gaz.ugl. no.4:25-29 159. (MIRA 13:4)

(Estonia -- Shale) (Coal gasification, Underground)

# "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001134310



## MILK-ABUTTURDY, A.I.

Roentgenediagnosis of gastric and esophageal venous dilatation. Sovet.

(CMC 21:4)

med. No.1:14-17 Jan 52.

1. Of the Roentgen Division (Head--Honored Physician RSFSR S.V. Ivanova-Podebed), Moscow Municipal Scientific-Research Institute of First Aid imeni E.V. Sklifosovakiy).

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MILKAMANOVICH K.A.; SASIN, A.S.; NAL', S.S.;
KADACH, N.V.

Gasification of small lump peat of cylindrical form. Torf.prom. 31 no.6:21-23 '54. (MLRA 7:9)

1. Institut torfa AN MSR. (Peat)

MILKAMANOVICH, K.A.

per straights or 7/2 waters Obtained During Cast Fig. 10. (OF PRAT).

Mill properties. L. (Vesti Akad, Navuk Belarus, SiR, Ser. fis.-tekh, Mayok
[16 Acad. Sel. Maite Russ. 8.8.R., Ser. phys.-tech. Soi.], 1956, [3], 109-119;

abate, in Casa. Abstr., 1957, vol. 51, 12468). During gasification of peat,
the assumt of ter mater (1) produced varies from 1.3-1.5 (recirculated water)
to 15-25 (current mater) cu.m/ton peat. Some of I contains 200-315 g of a
dry condensed residue (11)/1., left after the steem distillation. A I
appaisan, 620 1.305, containing II 315, total nitrogen compounds 16.9, ammonia
hon-volatile phenols 65.3 g, respectively, was treated at room temperature
with various concentrations of amonium sulphate (111), sodium chloride,
sodium sulphate, amonium chloride and copper sulphate. All salts reused the

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MIT. KAMANOVICH, K.A.; VERNER, V.S.

Chromatographic method for separating the solid residue of tar water from the thermal decomposition of peat. Dokl.AN BSSR 4 no.8:337-339 Ag 160. (MIRA 13:8)

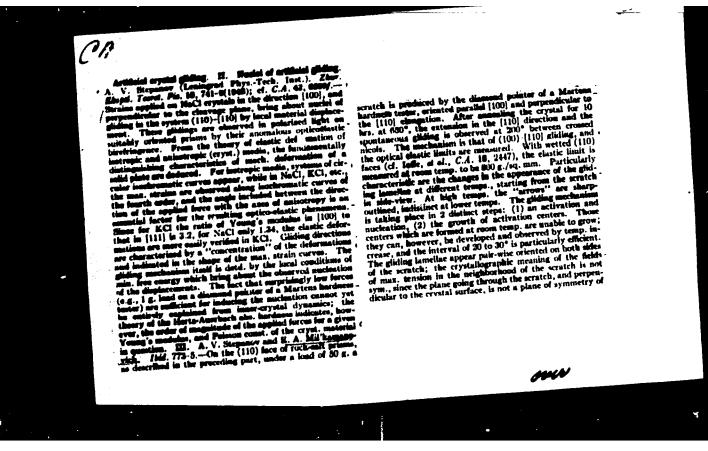
1. Institut torfa AN BSSR. Predstavleno akad. AN BSSR B.V. Yerofeyevym.
(Chromatographic analysis) (Tar)

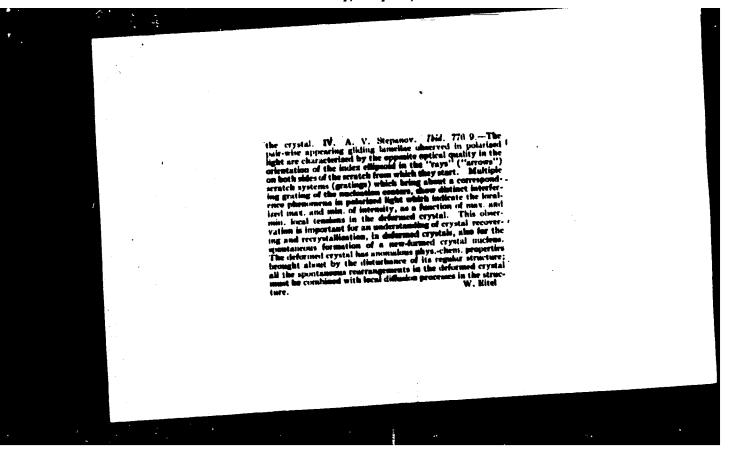
MILKAMANOVICH, K. A.; MENKH, V. A.; BUREYKO-KLESHCHOVA, I. F.; GRISHCHINSKAYA, L. L.

"Investigation of the process of the transfer of heat and matter in pyrolysis of sulfur mazut for its disulfuration."

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CIA-RDP86-00513R001134310

EWT(m)/EWP(v)/EWP(J)/T WW/RM £ 02520-67 IJP(c) ACC NR AP6022852 SOURCE CODE: UR/0230/66/000/004/0024/0026 AUTHOR: Mil'kevich, O. L. ORG: TaNIIS TITLE: Production of glued wooden bridge structures SOURCE: Transportnoye stroitel'stvo, no. 4, 1966, 24-26 TOPIC TAGS: highway bridge, prefabricated bridge, woodworking machinery, laminated material ABSTRACT: The author discusses the development and use of glued laminated wood construction for the support sections of span structures in small and medium-sized automobile bridges. A test structure was developed by N. D. Pospelov and Ye. V. Tumas which economizes both on wood and metal fastenings. Such a structure requires 140 m3 of laminated wood and 0.5 tons of metal forgings. A similar bridge structure made from board-nail trusses would require an outlay of 170 m3 of milled and 58 m3 of rough lumber, while the amount of forgings required would be at least 6.6 tons. The main stringer is one of the most complex members of the entire structure to produce. This girder is 1.33 m high and 16.76 m long. 43 boards are laminated in order to produce this girder, each board being 31 mm thick. The plates for the traveled part of the bridge are made from blocks, 1 m wide and 9 m Card 1/2 625.83

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ACC NR: AP6022852

long. These blocks are made from laminated boards varying in width from 12 to 14 cm. This is done intentionally to produce an irregular surface which adheres well to asphalt. Lamination operations of beams were mechanized by using an updated variant of a universal type screw press designed for gluing rectilinear structures and arches. Cold-setting KB-3 phenolformaldehyde glue was used in all laminating processes. The first test bridge was built across the Dubna River in the Moscow region with three spans and 10-ton load capacity. A second bridge of 4 spans was built across the Kurlak River in the Voronezh Oblast. The use of laminated wood building materials is of great economic importance for those regions of the Soviet Union where wood is plentiful and delivery of prestressed concrete materials is both difficult and expensive. It is hoped that in the near future laminated wood bridge-building materials can be mass produced at mill sites in those regions where wooden bridge structures are most economical. Orig. art. has: 3 figures.

SUB CODE: 13/ SUBM DATE: none

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